

5/18/11

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Municipality/Organization: Town of Carver

EPA NPDES Permit Number: MAR041099

MassDEP Transmittal Number: W-050154

Annual Report Number
& Reporting Period: Year 8 April 1, 2010 – March 31, 2011

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2011)

Part I. General Information

Contact Person: Bill Halunen Title: Superintendent of Public Works

Telephone #: 508-866-3425 Email: William.Halunen@carverma.org

Mailing Address: 108 Main Street, MA 02330

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: William A. Halunen

Printed Name: WILLIAM A. HALUNEN

Title: D.P.W. SUPT.

Date: MAY 18, 2011

Part II. Self-Assessment

The Town of Caver continues to make progress towards maintaining compliance various components of the 2003 NPDES Phase II Stormwater Discharge Permit. Public education, outreach and participation have been on-going during the period of April 2010 through March 2011 (referred to as Permit Year 8). The illicit discharge detection and elimination (IDDE) program is on-going, stormwater regulations have been developed by the Board of Health and the Town has drafted an IDDE and construction By-law. Each year, the DPW follows good housekeeping practices and keeps the storm drain systems clean of debris.

The Town continues to monitor the websites of regulatory agencies for the issuance of the 2010 Small MS4 General Permit. When this 2010 General Permit is issued, the Town will evaluate the new requirements and identify the highest priority compliance issues. The Town intends to prepare a Notice of Intent under the 2011 General Permit.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities Permit Year 7
PE-1 Revised	Flyer Distribution	DPW	Once per year at Hazardous Waste Day Regularly at Town Buildings	Flyers are distributed annually to advertise the household hazardous waste day. Flyers regarding proper protection of outfalls and catch basins are available regularly at town buildings. Copies of the distributed fliers are attached to this reported.	Continue to publish at flyers throughout the year
PE-2 Revised	Informational Mailings	DPW	Houses adjacent to outfalls 1 per year to all houses adjacent to outfalls	The Town has not yet implemented mailing educational information pertaining to stormwater pollution to houses adjacent to outfalls, yet is aware of this need. Mailings are sent to all members of the Carver, Marion, Wareham Regional Refuse Disposal District (CMWRRDD) announcing the schedule for Household Hazardous Waste Collection Days.	Continue to mail educational information to all members of the Carver, Marion, Wareham, Regional Refuse Disposal District.
PE-3 Revised	Community Group Meetings	DPW	Regular Meetings	Board of Health and Conservation Commission meetings are regularly announced and open to the public. The Superintendent of Public Works attends such meetings upon request.	Continue to announce and have Board of Health and Conservation Commissions open to the public.
PE-4 Revised	Public Service Announcements	DPW	Cable Access Ads for Events	Carver's Community Access Television (CCAT) program continued on public access channels 13 and 14. Public service announcements related to stormwater meetings, hazardous waste days, recycling, cleanup day, etc. were placed on cable access TV. Program listings are available at the channel's website: http://www.ccat.cc/	Continue to post Public service announcements on Community Access Television.

<p>PE-5 Revised</p>	<p>Information Distribution</p>	<p>DPW, Board of Health</p>	<p>Posts on Town website Minimum of one post per year on town website.</p>	<p>Informational postings regarding stormwater and environmental issues continue to be updated at on the Town website: http://www.carverma.org/</p> <p>Announcements for regular Town Meetings are posted on the Town's website, along with meeting minutes for special department meetings, such as the Planning Board and Conservation Commission.</p> <p>There are two transfer stations that serve the Town of Carver: Rochester Convenience Facility and Benson Brook Road Transfer Station in Marion. Information about these transfer stations is posted on the Town website. Copies of such postings are attached to this report.</p>	<p>Continue to post information regarding stormwater and environmental issues on the Town's website</p> <p>Continue to announce Town Meeting's on the Town's website and also post minutes of each meeting on the website.</p> <p>Continue to update and post information regarding the two transfer stations on the Town's Website.</p>
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1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities Permit Year 8
PP-1 Revised	Storm Drain Stenciling	DPW	All storm drains in areas of concern All storm drains by end of Year 3	All storm drains in the Town of Carver were stenciled in the original 5 year permit term. The Town continues to monitor the condition of the stenciling regularly. The DPW is aware of the need to inspect stencils this year and repaint as necessary.	The DPW inspects and re-stencils storm drains as necessary
PP-2 Revised	Hazardous Waste Day	DPW Working with BOH	Annually	Hazardous Waste Day is typically held on the first Saturday in May every year. During Permit Year 7, Hazardous Waste Day was held May 1, 2010. Plymouth County Conservation District also held an Electronics Recycling Day at the Wareham Municipal Maintenance Department in Wareham on May 1, 2010. These programs were sponsored through the Carver, Marion, Wareham Regional Refuse Disposal District (CMWRRDD). CMWRRDD continues to inform residents of opportunities to dispose of household hazardous wastes. Advertisements for the event are attached to this report.	Continue with organized cleanup days Hazardous Waste Day will held May 7, 2011 for permit year 8 Plymouth County Conservation District will hold an Electronics Recycling Day at the Wareham Municipal Maintenance Department in Wareham on May 7, 2011.
PP-3	Volunteer Monitoring Efforts	DPW	Annually	All residents are encouraged to report problems in the storm drain system.	Continue to inform the public with information regarding household hazardous wastes. Continue to encourage residents to report problems with the storm drain

Revised					Local cranberry farmers have a special interest in proper functioning of the storm drain system and are quick to report problems. It is a priority of the DPW to quickly respond to reports.	system.
PP-4	SWMP Volunteer Review	DPW	Annually		The Town of Carver continues to present current Stormwater management activities to relevant department heads and employees on an annual basis, including regular public and private meetings.	Update and continue training
Revised						

2a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities Permit Year 8
ID-1 Revised	Visual Inspection	DPW, Board of Health	All outfalls quarterly	All outfalls are monitored by DPW staff on a regular basis of every 6 months. Outfalls in problem areas were monitored more frequently. Carver's Board of Health has a pond testing program. Four area ponds (Sampson's, Cooper's, John's, and Crystal) are monitored weekly for E. Coli from May through September each year. DPW staff will continue to routinely monitor outfalls.	DPW staff will continue to routinely monitor outfalls. BOH will continue its pond testing program.
ID-2 Revised	Laboratory Analysis	DPW	When pollution is evident	A problem at local gas station identified in Permit Year 1 has resulted in the site being assigned a DEP tracking number, RTN 4-17825. Monitoring is ongoing at this site. Tests are available at the Board of Health.	DPW will continue to monitor the gas station (RTN 4-17825)No new problem outfalls were identified in Permit Year 7.
ID-3 Revised	Identify and Mail all outfalls	DPW	Map and ID all outfalls in the UA	All outfalls in the Urbanized Area were mapped in Permit Year 1. The entire drainage system was modeled in GIS in the original 5 year permit term. Carver continues to maintain and update maps as appropriate.	Carver continues to maintain and update maps as appropriate.
ID-4	Remove source of contaminant	DPW	When pollution is evident	Remediation efforts are being monitored by DEP.	The DPW will continue to sample outfalls to identify illicit sources

Revised					when pollution is suspected and will also continue to remove sources when pollution is conformed in an outfall. The DPW will try and resource money to implement sampling and testing of outfalls. The DPW will also develop a written program for detect and eliminate illicit discharges from the Municipal Storm Drain System. Please see attached article 14
ID-5	Develop and enact by-law	DPW	By end of year 2		No new sources of contaminants have been identified in Permit Year 7. The Town has continued to sample outfalls to identify illicit sources when pollution is suspected.
Revised					The Town adopted a bylaw governing discharges to the storm drain system. The Board of Health passed storm water regulations in October 2003. The Planning Board put forth new stormwater regulations in May 2007, which were adopted at the Town Meeting.
					Continue to enforce regulations

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities Permit Year 8
CS-1 Revised	Develop By-laws <i>Review Current By-Law Develop New By-Law if necessary</i>	DPW	By the end of Year 2 have by-law in place Review annually, make amendments as needed	In Permit Year 1 the Town reviewed existing mechanisms and determined them to provide adequate authority to regulate construction site erosion and post-construction stormwater management.	The Town will continue to implement and enforce by-law and also continue previous permit year activities.
CS-2 Revised	Pre-Construction Information Meetings <i>Provide Pre-Construction Information</i>	DPW Conservation Commission and Planning Department	1 meeting per construction after by-law implementation Letters from developer to both Conservation Commission and Planning Department outlining conditions of construction activities.	The Conservation Commission and Planning Department are involved in all construction activities (new housing developments, road work, cranberry bogs, etc.) Order of Conditions is issued by the Conservation Commission of the Town for any construction project within 100 feet of a wetland of any size. Order of Construction Conditions issued by Planning Department to the contractor. The Town enforces that developers are required to submit a letter to the Conservation Commission and Planning Board outlining all construction activities. Per the new by-laws, the town includes stormwater regulations as appropriate as part of the Planning Department approval process.	Continue to enforce by-law.

4a. Additions

CS-3	Site Inspections	Conservation Commission and/or Planning Department	Minimum 1 site visit per construction activity	Conservation Commission and the Town's Engineer conducted random site visits to inspect construction activities to ensure construction conditions are being met. The Town enforces that there be a minimum of one site visit by the Conservation Commission per each construction activity.	Continue site inspections per by-law requirements.
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5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities Permit Year 8
PC-1 Revised	Visual Monitoring	DPW Conservation Commission and Planning Department as necessary	1 visit following completion of project	Conservation Commission, DPW and Planning Department conduct post construction inspections. A certificate of compliance is issued by the Conservation Commission upon completion of construction in accordance with the Order of Conditions on projects they are involved in.	Implement and enforce by-law.
PC-2 Revised	Post-construction By-law	DPW	By end of Year 2 have by-law in place	A Post-construction By-law was adopted at the May 21, 2007 Town Meeting.	Implement and enforce by-law.

5a. Additions

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities Permit Year 8
GH-1 Revised	Employee Training	DPW	Annually	Carver continues to identify opportunities for employee education and training relating to protection of water quality. Records of attendance are kept.	Continue training for all employees relating to protection of water quality.
GH-2 Revised	Operations and Maintenance Schedule	DPW	Complete by end of Year 1	Operations and maintenance schedule completed in Permit Year 1.	Update and continue Operations and maintenance schedule.
GH-3 Revised	Operations and Maintenance Implementation	DPW	Follow schedule Years 2 through 6	The Town conducts catch basin cleaning and outfall inspection on a yearly schedule; more frequently in problem areas. DPW keeps up to date records of cleanings and inspections.	Continue catch basin cleaning and maintenance.

6a. Additions

GH-5	Proper Storage of Materials	DPW	All materials labeled and in suitable containers	DPW stored materials in a manner that reduces or eliminates threats to water quality from stormwater.	Continue to store materials in a manner that reduces or eliminates threats to water quality
GH-6	Catch Basin Cleanout	DPW	Regular maintenance and cleanout of catch basins	Carver DPW has an annual catch basin clean out program using town-owned equipment. In addition, catch basins are cleaned on an as-needed basis. Cleanout logs are maintained. Problems are noted and followed-up on.	Continue annual catch basin cleanout program
GH-7	Storm Sewer Maintenance and Improvements	DPW	Improvements to storm sewer infrastructure	In the Spring of Permit Year 7, one culvert washed out causing flooding on France Street. The DPW replaced and upgraded the culvert. The DPW also rebuilt 15 catch basins.	There were no other infrastructure problems within the past Permit Year. The DPW will be replacing aprons on outfalls on Route 58 this year. DPW will continue to monitor the storm water system

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

There are no TMDLs in Carver

Town of Carver

Educational Fliers

Stormwater Pollution Found in Your Area!

This is not a citation.

...this is to inform you that you are standing on the following pollutants in the stormwater system in your area. This stormwater system leads to the sea.

- Motor oil
- Oil
- Antifreeze
- Transmission fluid
- Paint
- Spills of grease
- Cooking grease
- Detergent
- Home improvement water (concrete mortar)
- Ice water
- Yard waste (leaves, grass, mulch)
- Excessive dirt and
- Gravel
- Construction debris
- In shades and
- Gardening
- Other




For more information or to report an illegal discharge of pollutants, please call:

Bill Halunen, Superintendent
 Department of Public Works
 606-868-3425 www.caiverma.org



www.epa.gov/pollution/stormwater

EPA 833-F-03-002
 April 2003

**KEEP MERCURY FROM
RISING!
PLEASE DISPOSE OF
PRODUCTS
CONTAINING
MERCURY PROPERLY**

We will accept pesticides, household chemicals, oil-based paint, anti-freeze, motor oil, spent gasoline, and products containing mercury (thermostats, thermometers, fluorescent bulbs, float switches, etc.)

We will also accept **EMPTY** propane tanks.

WE WILL NOT ACCEPT latex-based paint, tires, PCBs, radioactive materials and explosives.

Sponsored by **CARVER, MARION, WAREHAM REGIONAL REFUSE DISPOSAL DISTRICT AND COVANTA ENERGY OF SEMASS**

**BE RESPONSIBLE
RECYCLE**

Town of Carver

Hazardous Waste Day Fliers

**Carver Marion Wareham
Regional Refuse Disposal District
P.O. Box 477
West Wareham, MA 02576**

Robert C. Tinkham Jr.
Chairman

Ray Pickles
Executive Director

To Boards of Selectmen & Boards of Health
Towns of Carver Marion & Wareham

Re Household Hazardous Product Day

The Carver Marion Wareham Regional Disposal District Commissioners are pleased to offer a HHP Day on May 7th 2011 for the residents of Carver Marion & Wareham.

Household Hazardous Waste Collection Sites are

**Carver Salt Storage Facility
Rochester Road off Rt 58 South Carver**

**Wareham Municipal Maintenance Area
Charge Pond Road off Rt 28 Wareham**

Time: 9:00AM -12:00 Noon

**HOUSEHOLD HAZARDOUS PRODUCT
COLLECTION
AND
MERCURY THERMOMETER EXCHANGE**

WHEN
SATURDAY MAY 7, 2011

WHERE
CARVER SALT STORAGE FACILITY
ROCHESTER ROAD OFF RT. 58 SOUTH CARVER
WAREHAM MUNICIPAL MAINTENANCE AREA
CHARGE POND ROAD OFF RT 28

TIME: 9:00AM TO 12:00AM

**Carver, Marion, Wareham Regional
Refuse Disposal District**

Covanta Energy of SEMASS

PRSR STD
U.S. POSTAGE
PAID
CCP & DF, MA
PERMIT NO. 15

*****ECRWSS**B006
RESIDENT
PO BOX 737
SOUTH CARVER MA 02366-0737

The Plymouth County Conservation District will be holding an Electronic Recycling Day at the Wareham Municipal Maintenance Department at 95 Charge Pond Road, Wareham from 9AM to 12 noon on Saturday, May 7th.

Your cost for the Electronic Recycling Event:

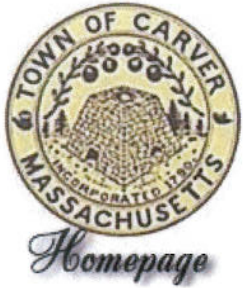
\$10 – Monitors, CPU's (towers & desktops)
15" and smaller TV's, Handheld Electronic Devices

\$15 – Microwaves, Large TV's, Electronic Devices,
Washers & Dryers, Dishwashers, Refrigerators

\$25 – TV's over 30" and Consoles

All other items will be judged by weight!

The Plymouth County Conservation District would like to Thank You for recycling with us!



Town of Carver Massachusetts

Benson Brook Road Transfer Station in Marion

RULES & REGULATIONS
Effective June 5, 2007

Hours of Operation: 8:00 AM - 4:00 PM, Tuesday - Saturday

Directions:

1. From Carver-Route 58 South to Route 495 South to Exit 1 (Rte. 195).
2. Get off at the Marion Exit 20. At end of ramp take a right onto Route 105.
3. Come to the 1st set of lights and take a right onto Route 6.
4. Benson Brook Road is down about a mile on the right.

No vehicles will be permitted to enter the Transfer Station without a town-issued resident sticker

Acceptable items

The Benson Brook Road Transfer Station will accept the following items from Carver Residents:

1. Household Trash
2. Bulky Residential Wastes (*couches, chairs, etc.*)
3. Wood Waste from Small Homeowner's Projects (*maximum length 3 feet*)
4. Recyclables (*Pre-sorted & Clean*)
5. Clean, Loose Newsprint (*no plastic or paper bags*)
6. Cardboard & Paper: including magazines, computer paper, corrugated cardboard, flat cereal boxes & junk mail
7. Co-Mingles: glass, plastic, tin & aluminum
8. Light Metals: stoves, bicycles, gas grills, lawnmowers, & misc. metals
9. Empty Propane Tanks

The following items will be accepted for a fee of \$25.00:*

1. Refrigerators & Freezers
2. Air Conditioners
3. Televisions
4. Computer Monitors

**Stickers must be purchased from the Board of Health at Town Hall.*

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-
- Town Meeting
 - The Master Plan
 - Calendar
 - Links

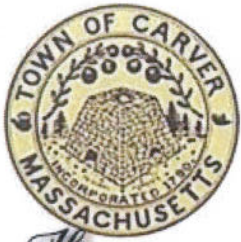
Search

Unacceptable items

The Benson Brook Road Transfer Station will NOT accept the following:

1. Pressure Treated Wood
2. Brush, Stumps, Logs & Stone
3. Sheet Rock, Blue Board & Insulation
4. Tires
5. Mattresses & Box Springs
6. Demolition & Construction Debris from Contractors
7. Asphalt, Brick & Concrete
8. Lead Batteries

Attendant has the right to reject waste that is over size or contains unacceptable material.



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Town of Carver

Massachusetts

The Rochester Convenience Facility

Location: On Route 28, one-quarter mile north of the intersection of Route 28 and Route 58

Hours of Operation: 8:00 AM to 4:00 PM, Tuesday - Saturday

Acceptable Items	Unacceptable Items
<u>Waste:</u> Household Trash	<u>Stumps and Brush</u>
<u>Recycleables:</u> Newspapers Cardboard Glass Containers Plastic Containers Steel/Aluminum Cans Propane Tanks	<u>Hazardous Waste:</u> Gas Containers Oil - Base Paints Flammable Items Batteries/Tires Waste Oil

**Hazardous waste can be removed
once a year on Hazardous waste day,
which is the 1st Saturday in May every year**

Leaves and Small Brush

The compost facility at this location is open on Wednesday, Friday and Saturday from 8:00 AM to 4:00 PM *accepting leaves and small brush only.*

Town of Carver Town Meeting Agenda

Article 14

Article 14. To see if the Town will raise and appropriate, borrow, or transfer from available funds an amount not to exceed \$25,000 to implement the "Illicit Connections and Discharges to the Municipal Storm Drain System" Bylaw by developing the following: a written program to detect and eliminate illicit discharges; written operation and maintenance procedures for all Town-owned facilities; a report of all impervious areas in the municipal storm drain system (MS4); an inventory of all Town-owned facilities and floor drains; a program to repair and rehabilitate all storm drain infrastructure that is regulated; a Stormwater Pollution Prevention Plan for maintenance garages, other Department of Public Works facilities, and waste handling facilities; and a permittee-specific stormwater monitoring program; or take any other action

... of Selectmen)